Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/04/2022 08:52 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/07/2022 10:19 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	10398	Expiration Date:	01/31/2023
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124804	-1	1.61	124726	1.59
Blue	F	SSC	125000	126454	1	3.11	127055	3.07
Blue	E	FITC	15860	15460	-3	2.29	376	14.20
Blue	D	PE	27718	27478	-1	1.80	638	10.40
Blue	B	PerCP-Cy5-5	38046	37357	-2	3.07	1022	15.29
Blue	A	PE-Cy7	26092	26189	0	4.86	517	31.06
Red	C	APC	49104	48548	-2	2.71	1710	11.36
Red	A	APC-Cy7	28201	27325	-4	3.05	719	12.25
Violet	B	V450	9904	9548	-4	3.85	530	11.96
Violet	A	V500	39004	37525	-4	3.42	981	9.53

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23927	1.98	569	0	N/A	N/A	Pass
Blue	F	SSC	56445	1.67	523	-5	N/A	N/A	Pass
Blue	E	FITC	57	59.30	492	1	0.0452	226	Pass
Blue	D	PE	124	39.65	498	2	0.4529	388	Pass
Blue	B	PerCP-Cy5-5	140	45.85	590	1	0.0186	71	Pass
Blue	A	PE-Cy7	64	92.25	634	2	0.0206	0	Pass
Red	C	APC	330	26.71	578	-3	0.0284	185	Pass
Red	A	APC-Cy7	97	42.62	550	-5	0.0063	1241	Pass
Violet	B	V450	85	54.62	458	0	0.0669	3441	Pass
Violet	A	V500	124	41.78	469	0	0.0245	3032	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.92	-31.56	1.13
Blue	20.36	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.44
Red	15.46	13.90 - 20.86	N/A	N/A	29.73	30.14	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10783

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments